

# Catalogue of type-material of the insect order Phasmatodea deposited in the Museum für Tierkunde, Dresden, Germany

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## Abstract

This catalogue lists the type-material of the insect-order Phasmatodea housed in the Museum für Tierkunde in Dresden (SMTD), Germany. It contains types of 87 species. The collection is especially strong in material from China, the Philippines, and New Guinea. The collection contains types of Bragg, Brunner von Wattenwyl, Fritzsche, Günther, Redtenbacher, and Zompro.

## Key words

Phasmida, Phasmatodea, Museum für Tierkunde Dresden, type-material, catalogue.

## Introduction

This catalogue lists the type material of the insect order Phasmatodea housed in the Staatliches Museum für Tierkunde in Dresden, Germany.

The collection is housed in 29 wooden drawers with glass-top in the measurements 60cm x 46cm x 6cm. It contains types of 87 species, which have been described by Phil Bragg, Karl Brunner von Wattenwyl, Ingo Fritzsche, Klaus Günther, Josef Redtenbacher and Oliver Zompro. Furthermore, Paul D. Brock, Oskar Conle, Detlef Grösser and Frank Hennemann have worked in the collection. An important part of the material was described by Klaus Günther, who was head of the Department of Entomology from 1934 to 1946. Günther published several papers on Phasmatodea, mainly based on material of the NHRS, RMNH, SMTD, ZMHB and ZMUH. Urich (1975) published an obituary on Günther. He mentions (1975: 352) a letter from Günther addressed to Urich from 18.x.1974, in which Günther states that he did not return material he had on loan from several museums. This is one reason why a considerable number of type-specimens recorded for other museums have been traced in boxes apart from the main collection during the preparations for the moving of the Museum in 1999.

## Methods

Every single specimen of Phasmatodea in the collection of the Museum für Tierkunde was examined. The type specimens have been compared with the original description and remaining specimens of the type series, which have been examined on various trips to European museums by the author in 1997, 1998 and 2001. The results of the research in these museums have already been published in catalogues of these collections, or are currently in press (Brock, 1998; Zompro, 2000; in press a, b; Zompro & Brock, in press).

In several cases eggs have been removed by the author from the ovipositor or the abdomen of type specimens. The material was needed for the author's phylogenetical studies in the order and are, if taken from a type specimen, also type material. They are listed with the specimen they are taken from in the catalogue.

Brunner von Wattenwyl and Redtenbacher (1906-08) often list the location of material described by them as "Coll. m." referring to Brunner von Wattenwyl's collection, which is now integrated in the NHMW-collection. This is the only material Redtenbacher has actually seen, otherwise he worked from Brunner's notes only.

The material is listed in alphabetical order of the species names.

The following format is used:

*species* author, year and publication data [*Original genus*]

[Number of type specimens, type locality and storage of specimens as mentioned in the

original description.]

SMTD [SMTD drawer number] List of specimens with sexes and quantity of specimens and citation of label data.

Data of labels of type-specimens.

Comments on additional type specimens housed in other collections.

[Current name combination, if confirmed by the author.]

List of abbreviations used:

AT: Allotype.

HT: Holotype.

LT: Lectotype.

PT: Paratype.

PLT: Paralectotype.

ST: Syntype.

Museum-codons used:

|      |   |
|------|---|
| ANIC | Australian National Insect Collection, Canberra, Australia.   |
| ANSP | Academy of Natural Sciences, Philadelphia, USA.   |
| BMNH | The Natural History Museum, London, England.  |
| CUMZ | University Museum of Zoology Insect Collection, Cambridge, England.                                 |
| DCMD | Derby City Museum, Derby, England.  |
| DEIC | Deutsches Entomologisches Institut, Eberswalde, Germany.  |
| FMSM | Federal Malayan State Museum, Kuala Lumpur, Malaysia.   |
| HNHM | Hungarian National History Museum, Budapest, Hungary. [This collection was lost in a fire in 1956]. |
| INPC | Indian Agricultural Research Institute, New Dehli, India.   |
| ISNB | Institut Royal des Sciences Naturelles, Bruxelles, Belgium.   |
| MBBJ | Museum Zoologicum Bogoriense, Bogor, Java, Indonesia.   |
| MCSN | Museo Civico di Storia Naturale "Giacomo Doria", Genua, Italy.                                      |
| MHNG | Museum d'histoire naturelle, Geneva, Switzerland.   |
| MIZT | Universita di Torino, Torino, Italy.  |
| MNHN | Museum d'Histoire naturelle, Paris, France.   |
| MNMS | Museo Nacional de Ciencias Naturales, Madrid, Spain.  |
| NHMB | Naturhistorisches Museum, Basel, Switzerland.   |
| NHME | Natural History Museum, Maastricht, Netherlands.  |
| NHMN | Nottingham Natural History Museum, Wollaton Hall, Nottingham, England.                              |
| NHMW | Naturhistorisches Museum, Vienna, Austria.  |
| NHRS | Naturhistoriska Riksmuseet, Stockholm, Sweden.  |
| OXUM | Hope Entomological Collections, University Museum, Oxford, England.                                 |
| RMNH | Nationaal Natuurhistorische Museum, Leiden, Netherlands.  |
| SMFD | Forschungsinstitut und Naturmuseum Senckenberg, Frankfurt a. M., Germany.                           |
| SMNS | Staatliches Museum für Naturkunde, Stuttgart, Germany.  |
| SMSM | Sarawak Museum, Kuching, Sarawak, Malaysia.   |
| SMTD | Museum für Tierkunde, Dresden, Germany.   |
| UMBB | Übersee-Museum, Bremen, Germany.  |
| UPLB | University of the Philippines Los Baños, Museum of Natural History, Los Baños, Philippines.         |
| ZMAN | Zoologisch Museum, Universiteit van Amsterdam, Amsterdam, Netherlands.                              |
| ZMAS | Zoological Museum, Academy of Science, St. Petersburg, Russia.                                      |
| ZMFK | Zoologisches Forschungsinstitut und Museum "Alexander Koenig", Bonn, Germany.                       |
| ZMHB | Zoologisches Museum der Humboldt-Universität, Berlin, Germany.                                      |
| ZMUH | Zoologisches Museum der Universität Hamburg, Germany.   |
| ZMUK | Zoologisches Museum der Christian-Albrechts-Universität, Kiel, Germany.                             |
| ZMPA | Polish Academy of Sciences, Warszawa, Poland.   |
| ZSMC | Zoologische Staatssammlung, München, Germany.   |

Catalogue of type-material

- abnormis* Redtenbacher, 1908: 548 [*Sipyloidea*]  
 [♂♀. Neu-Guinea (Coll. m., Mus. Dresden); Huon-Golf (Mus. Budapest).]  
 SMTD [not traced]  
 Further type-material in NHMW and ZMUH. HNHM-material was lost in fire in 1956.
- acheloa* Günther, 1940a: 496 fig. 19 [*Libethra*]  
 [♀, Rio Tacana.]  
 SMTD [27] HT: ♀, Tacana, Brasilien, Waehner leg., Y. preto, S. Waehner leg.; 1939 1  
 [*Rugosolibethra acheloa* (Günther, 1940)]
- aculeata* Günther, 1936: 336 fig. 13 [*Pericentropsis*]  
 [♀, Doormanpad, 1410m, X.1920]  
 SMTD [25] HT: ♀, N. N. Guinea, W. C. v. Heurn, Prauwenbi V., Doormanpad 1920  
 October, 1410 m.  
 [*Pericentropsis aculeata* Günther, 1936]
- acutangulus* Brunner v. Wattenwyl, 1907: 300 pl. 13: 7 a, b [*Eupromachus*].  
 [♀. Kaiser Wilhelmsland in N. Guinea (Coll. m., Mus. Dresden, Mus. Budapest).]  
 SMTD [21] ST: ♀, Neu-Guinea, 711; 2 ♀ nymphs, K. Wilhelmsland, Bongu.  
 Further type-material in ANSP and NHMW. HNHM-material was lost in fire in 1956.  
 [*Eupromachus acutangulus* Brunner v. Wattenwyl, 1907]
- armadillo* Redtenbacher, 1906: 44 pl. 1: 8 [*Tisamenus*]  
 [♀. Philippinen (Mus. Dresden).]  
 SMTD [7] LT, designated by Zompro, 2001e: 50: ♀, 1 egg ex ovipositor, PLT: ♀,  
 Philippinen, Schadenberg 694.  
 Further ♂ with same data.  
 [*Tisamenus armadillo* Redtenbacher, 1906]
- armatus* Redtenbacher, 1906: 139 [*Metriotes*]  
 [♂♀. Antioquia, Columbien (Coll. m.); Brasilien (Mus. Dresden).]  
 SMTD [2] ST: ♀, Brasil.  
 Further type-material in NHMW.
- arrogans* Brunner v. Wattenwyl, 1907: 207 pl. 9: 1a-c [*Prosentoria*]  
 [♂♀. Kina Balu in ins. Borneo (Coll. m., Mus. Acad. Petropol.).]  
 SMTD [12] ST: ♂, Nord-Borneo; 1911 2; *Prosentoria arrogans* ♂♀ Brunn; *arrogans* Brunn.;  
 ♀, Nord-Borneo; 1911 2.  
 Further type-material in NHMW, ZMAS and ZMUH.  
 [*Prosentoria arrogans* Brunner v. Wattenwyl, 1907]
- australe* Günther, 1933c: 155 fig. 1-4 [*Phasmotaenionema*]  
 [HT: ♀, Buma (Malaita), Salomonen, E. Paravicini leg. V.1929, im Naturh. Museum, Basel;  
 PT: 2♀♀, Kira-Kira, (S. Cristoval), I.1929, im Naturh. Museum, Basel; ♀, Guadalcanar,  
 X.1928, im Naturh. Museum, Basel; ♀, Kira-Kira (S. Cristoval), Salomonen, I.1929, E.  
 Paravicini leg, im Zool. Mus. Berlin.]  
 SMTD [9] PT: ♀, 1 egg, Kieta, Bougainville; 193.; 1937 9; *australis* K. Gthr.  
 Further type-material in NHMB and ZMHB.
- bicorne* Redtenbacher, 1906: 126 [*Euphasma*]  
 [♂♀. Südamerika, Columbien (Coll. m., Mus. Berlin, Mus. Dresden).]  
 SMTD [4] ST: ♂, ♀, Amer. mer.  
 Further type-material in NHMW and ZMHB.

*borneensis borneensis* Bragg, 1998: 70 [*Datames*]

[♂♀. Material. - Sarawak: Mt Serapi, 120 m: ♀, holotype (BMNH, PEB-176), 26.vii.1991. Paratypes: Brunei: Teraja, waterfall trail: ♂ (PEB-2137), 03.xi.1994. - Sarawak: Locality not recorded: ♂ (NHMW, PEB-2423), xi.1994; 3 ♀ (OXUM, PEB-2532; NHMW, PEB-2533; NHMN, PEB-2589), 2♂♂ (SMTD, PEB-2534; OXUM, PEB-2590) 1994. Mt Serapi, 100 m: ♂ (BMNH, PEB-1587), 05.viii.1992. Mt Serapi, 150 m: ♀ (PEB-488), 12.viii.1989. Mt Serapi, 240 m: ♀ nymph (PEB-178), 13.viii.1990; ♂ (BMNH, PEB-181), 26.vii.1991; c5 (PEB-182), 13.viii.1990, ♂ nymph (BMNH, PEB-183), 26.vii.1991; ♂ (BPBM, PEB-489), 13.viii.1990. Matang: ♀ (SMSM-12), viii.1899; Mt Santubong, 100 m: ♀ nymph (BMNH, PEB-1862), very pale specimen when collected, almost white, 31.vii.1992. Kpg Bengoh: ♂ (BMNH, PEB-177), 31.vii.1989. Kpg Bengoh, Gunung Sebakam: ♀ (RMNH, PEB-180), egg (RMNH, PEB-490), removed from body of PEB-180, egg (BMNH, PEB-1408), 29.vii.1989. Kpg Bengoh, Gunung Sunana: ♀ (PEB184), (BMNH, PEB-185), 30.vii.1989. 20 km upstream of Kapit: ♂ nymph (BMNH, PEB-179), 07.viii.1990. Bau, near Wind Cave: 4 ♀ (ZMHB, PEB-1557; MCSN, PEB-1558; NHRS, PEB-1559; BMNH, PEB-1836), ♂ nymph (BMNH, PEB-1722), eggs (PEB-1950; PEB-1560), 08.viii.1992; 1st instar nymph (PEB-1922), captive reared 1993; 3 ♂ (PEB-2138; NHMN, PEB-2139; RMNH, PEB-2140), 06.xi.1994. Bau: ♂ (SMSM-524), P.E. Bragg, 08.viii.1992. Lambir Hills NP: ♂ nymph (PEB-1623), 18.viii.1992. Niah NP: 2♂♂ (DCMD, PEB-1636; BMNH, PEB-1637), 17.viii.1992, ♂ (PEB-2135), 27.x.1994; ♂ (BMNH, PEB-2136), 28.x.1994.— No data: ♀ (SMSM-14).]

SMTD [7] PT: ♂, Sarawak, P. E. Bragg 1994, Accession Number: PEB-2534.

Further type material in BMNH, Coll. P. E. Bragg, DCMD, MCSN, NHMW, NHRS, OXUM, RMNH, SMSM, ZMHB.

[*Datames borneensis borneensis* Bragg, 1998]

*brevipenne* Günther, 1940b: 244 fig. e, l, g [*Sinophasma*]

[2♂♂, ♀, Kiangsi, Kiukiang, Mt. Kuling, Lindström, Mus. Stockholm und Dresden]

SMTD [20] ST: ♂, Kiu-Kiang, Mt. Kuling, China, Lindström; 1939 20

Further type-material in NHRS.

[*Sinophasma brevipenne* Günther, 1940]

*brevitarsis* Redtenbacher, 1908: 485 [*Diardia*]

[♂. Milne Bay, Huon-Golf, Neu-Guinea (Coll. m., Mus. Dresden).]

SMTD: Not traced.

Further type-material in NHMW.

*calopteryx* Günther, 1944: 78 fig. 5 [*Kalokorinnis*]

[♀, Nordborneo, J. Waterstradt leg., Naturkundemuseum Stettin (HT); ♀, Central-Borneo, Quellgebiet des Koetei-Flußes; Museum für Tierkunde, Dresden; ♂, Selangor, Bukit Kutu, 1100m, 13.3.1931, H. Pendlebury leg., Fed. Mal. St. Mus., Kuala Lumpur]

SMTD: Not traced.

Further type-material in FMSM and ZMPA

[*Kalokorinnis calopteryx* Günther, 1944]

*carinatus* Redtenbacher, 1908: 364 [*Dimorphodes*]

[♀. Bongo, Neu-Guinea (Mus. Berlin, Mus. Amsterdam, Mus. Dresden).]

SMTD [21] ST: ♀, K. Wilhelmsland, Bongu.

Further type-material in ZMAN and ZMHB.

*carli* Günther, 1937a: 83 fig. 1, 2 [*Heterocopus*]

[♂, 120m, ♀, 900m: Torricelli-Gebirge]

SMTD [22] ST ♀, 1 egg ex ovipositor: Kais. Wilhelmsland, Torricelli-Gebirge, Dr. Schlaginhausen. 1910 1, 900m; ST ♂, Kais. Wilhelmsland, Torricelli-Gebirge, Dr.

Schlaginhausen. 1910 1, 120m.

[*Pachymorpha* (?) *carli* (Günther, 1937)]

*coenosa* Redtenbacher, 1908: 344 pl. 16: 1, 2 [*Eurycantha*]

[♂♀. Neu-Guinea (Coll. m., Mus. Dresden, Mus. Genua, Hofmus. Wien, Mus. Berlin).]

SMTD [23] ST: ♀, 441

Further type-material in MCSN, NHMW, ZMHB.

*difficilis* Günther, 1940b: 237 [*Micadina*]

[2♂♂, Fukien, Kwangtseh, 15. und 18.VII.1937, J. Klapperich leg, Mus. Bonn und Dresden]

SMTD [20] ST ♂, Kwangtseh-Fukien, J. Klapperich O., 18.7.1937; 1929 11

Further type-material in ZMFK.

[*Micadina difficilis* Günther, 1940]

*doederleini* Günther, 1929: 684 pl. 3: 1, 2 [*Graeffea*]

[HT: ♂, AT: ♀, Schraderberg (2100m), 22.-31.V.1913; PT: 67♂♂, 15♀♀, Schraderberg (2100m), 22.-31.V.1913]

SMTD [8] PT: ♂, D. N. Guinea 350 Schraderberg 5.-13.VI.13, Kais. Augustafluß Exp., Bürgers S. G.; ♀, D. N. Guinea 350 Schraderberg 2100 m, 22.-31.V.13, Kais. Augustafluß Exp., Bürgers S. G.

Further type-material in DEIC, ZMHB and Coll. Zompro, affiliated with ZMUK.

[*Graeffea doederleini* Günther, 1929]

*duivenbodei elongatus* Günther, 1938b: 58, 75 [*Periphetes*]

[Zentralcelebes: ♀, Palopa, ♀, Posso-See, Mus. Basel.]

SMTD [25] ST: ♀, Palopa, Celebes; *Periphetes spec.* (*duivenbodei* Kaup?) K. Günther det. 1 further ♀ in NHMB.

*echinata* Günther, 1936: 335 fig. 12 [*Trapezaspis*]

[♂, Prouwenbivak, XI. XII.1920]

SMTD [21] HT: ♂, N. N. Guinea, W. C. v. Heurn, Prouwenbiv, XI-XII.1920

*echinatus* Redtenbacher, 1908: 505 [*Neocles*]

[♂♀. Dapitan, Mindanao (Mus. Dresden).]

SMTD [19] ST: ♀, Dapitan, Mindanao 832. ST: ♂, Dapitan, Mindanao 831.

*elongata* Zompro & Eusebio, 2000a: 61 figs. 1-4 [*Phasmotaenia*]

[19♀♀, 4 nymphs. Holotype: ♀, 1 egg ex abdomen, Baguio City, 8.IX.64, J. F. Cruz [UPLBMNHC No. PHA 00235]. Paratypes: ♀, 1 egg ex ovipositor, Baguio City, 19.IV.1967, J. Ancheta [OZ 275-1, ex UPLBMNHC]; 2♀♀, Baguio, Luzon [SMTD]; ♀, Philippinen, Baguio, leg. Huenderts, 4.VII.1967 [Private collection F. H. Hennemann 370-1, ex coll. Departise]; ♀, Philippinen, Luzon, Manila [ZMUH]; ♀, 1 egg ex abdomen, Baguio, 16.V.98, I. L. Lit Jr. [UPLBMNHC No. PHA 00307]; 3♀♀, Baguio City, 14.III.67, Alcachupas, N. [UPLBMNHC No. PHA 00284, 00285, 00286]; 2♀♀, Baguio City, 19.IV.1967, J. Ancheta [UPLBMNHC No. PHA 00231, 00232]; ♀, Batingil, Dumaguete, Negros Oriental, 22.II.1932, T. A. Araneta [UPLBMNHC No. PHA 00226]; ♀, Col. No. 382, Loc. Baguio, Date 7-12-84, Coll. Royumol [UPLBMNHC No. PHA 00227]; ♀, Baguio City, 8.IX.67, J. C. F. Cruz [UPLBMNHC No. PHA 00228]; ♀, Philippines, La Trinidad, Benguet, 26. June. 1974, L. P. Molitas [UPLBMNHC No. PHA 00229]; ♀, Loc.: Mansion, Baguio City, Date: 12-8-85 [UPLBMNHC No. PHA 00230]; ♀, Forestry, FI, 3.IX.67, Alcachupas [UPLBMNHC No. PHA 00135]; ♀ 5-instar nymph, Host: Pine tree, Baguio, 16.V.98, I. L. Lit Jr. [UPLBMNHC No. PHA 00306]; ♀ 5-instar nymph, Philippines, La Trinidad, Benguet, 26. June. 1974, L. P. Molitas [UPLBMNHC No. PHA 00234]; ♀ 4-instar nymph, Baguio, Pr. D. Lobo, Liberty, I. A. Perez [UPLBMNHC No. PHA 00142]; ♀ 4-instar nymph, Baguio City, Oct. 14.1983, C. W. [UPLBMNHC No. PHA 00143]; ♀, no data [UPLBMNHC No. PHA 00316].].

SMTD [12] PT: 2 ♀, Bagio, Luzon.

Further type-material in UPLB (HT), Coll. Hennemann, Coll. Zompro, affiliated with ZMUK and ZMUH.

[*Phasmotaenia elongata* Zompro & Eusebio, 2000]

*emmrichi* Zompro, 1998: 157 fig. 9 [*Leosthenes*]

[Holotypus: ♀, (Neuguinea) Kais. Wilhelmsland, Torricelli Gebirge, Dr. Schlaginhaufen 1910/1 (SMTD).]

SMTD [11] HT: ♀, Kais. Wilhelmsland, Torricelli Gebirge, Dr. Schlaginhaufen 1910 1.

[*Leosthenes emmrichi* Zompro, 1998]

*errans* Günther, 1938a: 140 [*Orthonecroschia*]

[2♂♂, 2♀♀, Borneo 6♂♂, ♀, "California, Humboldt Bay", Indian Museum; ♂, ♀, Java, Naturkunde-Museum, Stettin]

SMTD [17] ST: ♂, Ind. Mus. Borneo, 144; ♀, Ind. Mus. Borneo, 144; 1937 2; ♂, Ind. Mus. Humboldt Bay, 140.

In ZMPA ♂ from Java, ♂, ♀ from Borneo, further material presumably in Calcutta.

*exiguus alienigena* Günther, 1938b: 73 fig. 12 [*Menexenus*]

[2♂♂, Nordostcelebes, Minahassa, Gg. Lokon und Tomohon, Mus. Basel und Dresden.]

SMTD [25] ST: ♂, Tomohon, Celebes, Sar.

One further ST ♂ in NHMB.

*exiguus exiguus* Günther, 1938b: 72 fig. 13 [*Menexenus*]

[2♂♂, 2♀♀, ♀ larva: Nordcelebes, Matinang-Gebirge, Südseite, 1000m, Mus. Basel und Dresden.]

SMTD [25] ST: ♂, ♀, Sarasin, VIII.1894, Matinang-Kette, 1000 m, Südseite, Nord-Celebes. Further type-material in NHMB.

*extraordinarius* Günther, 1936: 326, fig. 1 [*Neopromachus*]

[♀, Albatros Bivak, Mamberamo, V.1926]

SMTD [21] HT: ♀, N. N. Guinea, Exp. 1926, W. Docters v. Leeuwen, Mamberamo, Alb.-Bivak, Datum V.

[*Neopromachus extraordinarius* Günther, 1936]

*flavipennis* Redtenbacher, 1906: 112 [*Brizoides*]

[♂. Brasilia (Mus. Dresden).]

SMTD [4] HT: ♂, Brasil

*flavolimbata* Redtenbacher, 1906: 97 [*Autolyca flavo-limbata*]

[♂♀. Ecuador, Cocha (2700m), Troje prope Huaca (Coll. m., Giglio-Tos); Pasto (Mus. Dresden).]

SMTD [2] PLT: ♂, no data.

Further type-material in MIZT, MCSN, NHMW. LT in MCSN selected by Brock, 1998: 29.

One PLT in NHMW is labelled: Ecuador, Cocha, "Mus. Dresden".

*fritzschei* Zompro, 2000a: 53 fig. 9-21 [*Gratidia*]

[Holotypus (♂): Nakhon Ratchasima, Amphoe Pak Chong, Thanon Thannarat km 7, 300m, 101°24'50'' E 14°36'50'' N, 18.X.1997;

Paratypen: Nakhon Ratchasima, 4 km N Pak Chong, 450m, 11.X.1997: ♂, ♀ ; Nakhon Ratchasima, 6km SW Pak Chong, Ban Dai Ma Station, 350-375m: 5♂♂, 3♀♀: 03.IX.1998; ♂, ♂ 1-4: 05.IX.1998; ♂: 08.I.1998; 2♂♂: 11.IX.1998; ♂, ♀: 12.IX.1998; ♂: 13.IX.1998; 2♂♂, 2♀♀: 17.-18.IX.1998; ♂, 3♀♀: 18.XI.1997; ♀: 26.XI.1997; ♂, 2♀♀: 28.IX.1998; ♀: 29.VIII.1998; 2♂♂, ♀: 30.VIII.1998; Nakhon Ratchasima, Amphoe Pak Chong, Thanon Thannarat km 0, 310m, 101°24'50'' E 14°36'50'' N, 25.XII.1997: ♂; Nakhon Ratchasima, Amphoe Pak Chong, Thanon Thannarat km 6, 325m, 101°21' E 14°32' N, 10.I.1998: 17♂♂; 16.I.1998: 5 ♀; 21.XI.1997: 4♂♂, 3♀♀; km 7, 300m, 101°24'50'' E 14°36'50'' N,

- 02.X.1997: 7♂♂, 7♀♀, 2♀♀ L-4, ♀ L-5; 06.I.1998: 2♂♂, ♂ L-4, 3♀♀, 4♀♀ L-4, 3♀♀ L-5; 11.IX.1997: ♂, ♂ L-4; 18.X.1997: 2♂♂; 25.XII.1997: 8♂♂, ♀; auf *Acalypha wilkesiana* Muell., 17.XII.1997, 5♂♂, 3♀♀; Nakhon Ratchasima, Ban Pak Mo, quarry S Khao Chan, 350m, 101°28' E 14°33'50'' N, 09.X.1997: 10♂♂, 10♀♀, ♀ L-4, ♀ L-5; Nakhon Ratchasima, Khao Yai, Heo Suwat, 700m, 09.X.1997: ♂; Nakhon Ratchasima, Khao Yai, Khao Narok, Spirit house, ca. 700m, 06.X.1997: ♂; Nakhon Ratchasima, S Khao Luk Chang, 400-475m, 101°21' E 14°31'50'' N, 01.X.1998: ♂; 06.X.1997: 2♂♂, ♀; Nakhon Ratchasima, S Khao Mai Pok, 900-1000m, 101°19' E 14°31' N, 19.-25.X.1997: ♂; Zucht O. Zompro, F-1 der aufgeführten Tiere: 2♂♂, 2♀♀. Der Holotypus und der Großteil der Paratypen in der Sammlung O. Zompro (Nr. 358-1 - 150), Paratypen auch in den folgenden Sammlungen: I. Fritzsche (2♀♀), F. Hennemann (3 ♂♀), Staatliches Museum für Naturkunde, Dresden (♂♀), Zoologisches Museum der Humboldt-Universität, Berlin (♂♀), Deutsches Entomologisches Institut, Eberswalde (♂♀), Muséum d'histoire naturelle, Genf (♂♀), Übersee-Museum, Bremen (3 ♂♀), Senckenberg-Museum, Frankfurt (♂♀), Zoologisches Museum, Hamburg (♂♀), Museo Civico di Storia Naturale "Giacomo Doria", Genua (♂♀), Naturhistorisches Museum Wien (♂♀).]
- SMTD [26] PT: ♂, Thailand, Nakhon Ratchasima, Amphoe Pak Chong, Thanon Thannarat km 6, 325m, 101°21' E 14°32' N, 21.XI.1997, leg. I.Fritzsche; 352-52 Coll. O.Zompro; ♀, Thailand, Nakhon Ratchasima, Ban Pak Mo, quarry S Khao Chan, 350m, 101°28' E 14°33'50'' N, 09.X.1997, leg. I.Fritzsche, 358-38 Coll. O.Zompro.
- Further type-material in Coll. Zompro, affiliated with ZMUK (HT), BMNH, Coll. Bragg, CUMZ, DEIC, Coll. Fritzsche, Coll. Hennemann, MCSN, MHNG, MNHN, NHMW, OXUM, SMFD, UMBB, ZMHB and ZMUH.
- [*Gratidia fritzschei* Zompro, 2000]
- frontalis* Redtenbacher, 1908: 559 [*Necroscia*]  
[♂♀. Amboina (Coll. m., Hofmus. Wien, Mus. Berlin); Java (Mus. Dresden).]
- SMTD [18] ST: ♀, no data; ♀, Java, Schierb.
- Further type-material in NHMW, ZMHB.
- glaber* Günther, 1938a: 135 [*Asceles*]  
[3♂♂, Nieder Birma, Tavoy; ♂, "Neu-Guinea, Andai"; 2♀♀, Nieder Birma, Tavoy; 2♀♀, Perak]
- SMTD [18] ST: ♂, Ind. Mus., Tavoy, L. Burma, 118; ♀, Syntypus: Ind. Mus., Perak, Malay Pen.
- Further type-material possibly in INPC Dehli. Several requests were not answered.
- glaber* Redtenbacher, 1908: 366 [*Dimorphodes*]  
[♀. Neu-Guinea (Mus. Dresden).]
- SMTD [21] HT: ♀, A. B. Meyer, Neu-Guinea, 1873 andei
- glabra* Günther, 1940b: 246 [*Phasgania*]  
[♂, Peking, Stötzner-Expedition, Mus. Dresden]
- SMTD [20] HT: ♀, Peking, Exp. Stötzner
- granulosus* Redtenbacher, 1908: 483 [*Lamachus*]  
[♀. Dapitan, Mindanao (Mus. Dresden, Coll. m.).]
- SMTD [20] ST: 2 ♀, Dapitan, Mindanao, 826
- Further type-material in NHMW.
- [*Orxines granulosus* (Redtenbacher, 1908)]
- grisescens* Redtenbacher, 1906: 137 [*Perliodes*]  
[♂♀. Brasilien (Mus. Dresden); Surinam (Hofmus. Wien; Chiriqui, Panama (Mus. Ak. Petersburg).]
- SMTD [2] ST: 2♂, ♀, Brasil

Further type-material in NHMW, ZMAS.

*groesseri* Zompro, 1998: 159 fig. 6-8 [*Phyllium*]

[Holotypus: ♀, Arch. Salomons, Buin, I. Bougainville (SMTD); In der CSIRO-Collection in Canberra/Australien ein Männchen (Paratypus) Salomon Islands, Konga Village, Buin Area, Bougainville, 21.III.1961.]

SMTD [6] HT: ♀, Buin, I. Bougainville, Arch. Salomons.

Further ♂ paratype in ANIC.

[*Phyllium groesseri* Zompro, 1998]

*haematacanthus* Redtenbacher, 1906: 54 [*Dares hämatacanthus*]

[♂. Britisch Nord-Borneo (Mus. Hamburg); Neu-Guinea (Mus. Berlin).]

SMTD [7] LT, designated by Zompro, 2001: 53: ♂, British Nord Borneo (Padas Fluss), H. Fruhstorfer misit / Museum 15.6.1891.

[*Hoploclonia haematacantha* (Redtenbacher, 1906)]

Redtenbacher records the SMTD specimen for ZMUH. The second ♂ from "Neu-Guinea" is present in ZMHB.

*helleri* Brunner v. Wattenwyl, 1907: 256 [*Diangelus*]

[♂. Dapitan in ins. Philippinis (Mus. Dresden).]

SMTD [24] HT: ♂, Dapitan, Mindanao.

[*Diangelus helleri* Brunner v. Wattenwyl, 1907]

*hoenei* Günther, 1940b: 243 fig. d, m [*Sinophasma*]

[♂, ♀, Chekiang, West-Tien-Mu-Shan, 1600m, Höne, 1932, Mus. Dresden]

SMTD [20] ST: ♂, ♀, West Tien Mu Shan, 1600 m, Provinz Lifa Kiang, China, Hön. leg, 1932.

[*Sinophasma hoenei* Günther, 1940]

*horrida* Brunner v. Wattenwyl, 1907: 249 [*Stheneboea*]

[♀. Celebes (Mus. Dresd.).]

SMTD [25] HT: ♀, A. B. Meyer, Celebes 1871, 321.

*horridus luwuensis* Günther, 1938b: 68, fig. 8, 9 [*Menexenus*]

[♂ larva, 3♀♀ Zentralcelebes, Luwu, Flachland, Boran-Djeladja, 28.I.-1.II.1895; ♂, Luwu, Flach- und Hügelland bis 500m, Mus. Basel und Dresden.]

SMTD [25] ST: ♀, Sarasin, 28.I.-1.II. 1895, Luwu, Flachland Boran Djehadja, Centr. Cel., 1939 14.

Further type-material in NHMB.

*inchoata* Brunner v. Wattenwyl, 1907: 309 [*Libethra*]

[♀. Bogota (Coll. m., Mus. Dresd.).]

SMTD [27] ST: ♀, Bogota, Kirsch.

Further type-material in NHMW.

*injucundus* Günther, 1937a: 93 [*Neopromachus*]

[24♂♂ und 18♀♀, Torricelli-Gebirge, 120-780m]

SMTD [21] ST: ♂, 5 ♀, 4 ♀n5, Kais. Wilhelmsland Toricelli Gebirge Dr. Schlaginhaufen; 1910 10.

Further 2♂♂, ♀ in DEIC.

[*Neopromachus injucundus* Günther, 1937]

*insularis talaudensis* Günther, 1934: 82 [*Leprocaulus*]

[2♂♂, 23♀♀, Salibaboe (Liroeng, Talaud-Inseln)]

SMTD [24] ST: ♀, ST: ♂, 2♀♀, Talaud Liroeng Salibaboe, Erie V. 1926; *Cotypus Leprocaulus insularis talaudiensis* K. Gthr.; 1933 5.

Further type-material in MBBJ, RMNH and ZMHB.

[*Leprocaulinus insularis talaudensis* Günther, 1934]



- involuta* Günther, 1940b: 238, fig. a, h [*Micadina*]  
 [2♂♂, Fukien, Kwangtseh, 21. und 25.VII.1937, J. Klapperich leg., Mus. Bonn und Dresden]  
 SMTD [20] ST: ♂, Kwangtseh-Fukien, J. Klapperich O., 21.7.1937, 1939 11  
 Further type-material in ZMFK.  
 [*Micadina involuta* Günther, 1940]
- iuxtavelatus* Günther, 1937a: 88, pl. 1: 2 [*Neopromachus*]  
 [♂, Torricelli Gebirge, 780m; ♂, Zoutbron, VI. VII.1910, Van Kampen leg.]  
 SMTD [21] ST: ♂, Kais. Wilhelmsland, Torricelli-Gebirge, Dr. Schlaginhaufen.  
 Further type-material in RMNH.  
 [*Neopromachus iuxtavelatus* Günther, 1937]
- jacobsoni* Günther, 1944: 73, fig. 3, 4 [*Haaniella*]  
 [♂, Simalur, Sinabang, III.1913, E. Jacobson leg. (HT); ♀, Simalur, Sinabang, 28.IV.1916, S. A. J. Voorthuys leg (AT), beide im Rijksmuseum van Naturl. Historie, Leiden; ♂, Peloe Babi (= Simalur), II. 1908, S.P. Buitendyk leg., Museum für Tierkunde, Dresden.]  
 SMTD [7] PT: ♂, S. P. Buitendyk, Peloe Babi, Sumatra, II.1908.  
 Further type-material in RMNH.
- klapperichi* Günther, 1940b: 240 fig. b, f, k, n [*Sinophasma*]  
 [3♂♂, ♀, Fukien, Kwangtseh, 25.VII. und 19.VIII.1937, J. Klapperich leg., Mus. Bonn und Dresden]  
 SMTD [20] ST: ♂, Kwangtsch-Fukien, J. Klapperich O., 25.7.1937, 1939 11  
 Further type-material in ZMFK.  
 [*Sinophasma klapperichi* Günther, 1940]
- laetus* Günther, 1936: 331, fig. 9 [*Neopromachus*]  
 [2♀♀, Holländ. Nord-Neuguinea, 1910, Museen Dresden und Buitenzorg.]  
 SMTD [21] ST: ♀, Neu-Guinea, 1910, O. K., Hollandia.  
 Further type-material in MBBJ.  
 [*Neopromachus laetus* Günther, 1936]
- leveri* Günther, 1937b: 5, fig. 3 a, b [*Ophicrania*]  
 [2♂♂, Kolombangara, Lady Lever, 29.III.1935 (no. 4299), Savo Reko, 23.II.1934 (no. 816), ♀, Reko, 23.II.1934 (no. 816), 3♀♀, Savo, 165m, 24.VI.1935 (no. 4731); 2♀♀, Ostsavo, 17.VII.1935, auf Cocosblättern (no. 4977), ♀, Savo, auf *Cocos nucifera*, 30.X.1933, ♀, Ostvanikoro, V. VI.1933; (1 ♀, Savo, Naturhist. Mus. Basel.)]  
 SMTD [8] ST: ♂, Salomon-Ins., Kolombangara, Lady Lever, I. R. A. Lever leg, 4299; ♂, ♀, Salomon-Ins., Savo Reko, H. I. Pasden leg., 816; 3♀♀, Salomon-Ins., Savo 500 ft., I. R. A. Lever leg., 1939 18, 4731; 2♀♀, Salomon-Ins., East Savo, I. R. A. Lever leg., 1939 18, 4977; ♀, Salomon Islands, Savo Is., *Cocos nucifera*, 30.X., 1939 H. T. Pagden; ♀, May - Jun. '33, Salomon Is., East of Vanikoro, d. I. R. A. Lever.  
 1 ST ♀ in NHMB. The ♂ from Kolombangara could not be traced.  
 [*Ophicrania leveri* Günther, 1937]
- lobatipes* Brunner v. Wattenwyl, 1907: 295 [*Promachus*]  
 [♂♀. Colonia germanica in N. Guinea (Coll. m., Mus. Berol., Budap., Dresd.).]  
 SMTD [21] ST: 8 ♂, ♀, 5 nymphs, K. Wilhelmsland, Bongu; ♀, Syntypus: Neu-Guinea, 757.  
 Further type-material in NHMW and ZMHB. HNHM-material lost in fire in 1956.  
 [*Neopromachus lobatipes* (Brunner v. Wattenwyl), 1907]
- marginale* Redtenbacher, 1906: 115 [*Paraphasma*]  
 [♂♀. Brasilien, Santos, Minas Geraës, Rio de Janeiro, Goyaz (Coll. m., Mus. Dresden, Mus. Paris, Mus. Ak. St. Petersburg, Mus. Hamburg, Mus. Stuttgart, Mus. Budapest); Paraguay

(Mus. Hamburg, Coll. Boliv., Mus. Genua, Mus. Budapest).]

SMTD [4] PLT: ♂, Iraby, R. Gr. do Sul; 1936 2

[*Paraphasma marginale* Redtenbacher, 1906]

Further type-material in HNHM, MCSN, MNMS, MNHN, SMNS, ZMAS, ZMUH. LT in MCSN selected by Brock, 1998: 41.

*mindanaense* Brunner v. Wattenwyl, 1907: 286. [*Prisomera*]

[♂♀. Mindanao (Mus. Dresd.).]

SMTD [24] LT, designated by Bragg 1996: 44: ♀, PLT, ♂, Dapitan, Mindanao.

*mirabile* Günther, 1940b: 242, fig. c, j [*Sinophasma*]

[2♂♂, ♀, Fukien, Kuantun, 2300m, 16., 23. und 17.VII.1938, J. Klapperich leg., Mus. Bonn und Dresden]

SMTD [20] ST: ♂, Kuantun (2300m), 27,40 n. Br., 117, 406 L., J. Klapperich, 23.7.1938 (Fukien)

Further type-material in ZMFK.

[*Sinophasma mirabile* Günther, 1940]

*mirabilis* Redtenbacher, 1908: 483 [*Lamachus*]

[♂. Java (Mus. Dresden).]

SMTD: Not traced.

*mjöbergi* Günther, 1935b: 23, fig. 7a, b [*Orthonecroschia*]

[10♂♂, ♀, Mt. Tibang; 4♂♂, ♀, Pajau River; ferner ♂, Mt. Tibang, ♂, Pajau River, im Zool. Mus. Berlin.]

SMTD [17] ST: ♂, Mt. Tibang, 1700m, Borneo, Mjöberg, 1939 20; ♀, Pajau River, Borneo, Mjöberg, 1939 20.

Further type-material in NHRS and ZMHB.

*muticus* Brunner v. W., 1907: 294 [*Promachus*]

[♂♀. Nova Guinea, Bongu (Mus. Dresd.), Tamara in Berlinhafen (Mus. Budap., Coll. m.), Friedrich-Wilhelmshafen (Mus. Berol.).]

SMTD [21] ST: 2♂♂, ♀, K. Wilhelmsland, Bongu.

Further type material in NHMW and ZMHB. HNHM-material lost in fire in 1956

[*Neopromachus muticus* (Brunner v. W., 1907)]

*nodosum* Günther, 1938b: 79, fig. 16, 17 [*Prisomera*]

[♂, ♂ larva, Nordcelebes, Bone-Tal, 8. und 14.I.1894, 200 und 700m, Mus. Basel und Dresden.]

SMTD [24] ST: ♂ nymph: Sarasin, 14.I.1894, Bone-Tal, ca. 700 m, Nord Cel., further one unreadable handwritten label.

Further type-material in NHMB.

*notata* Redtenbacher, 1908: 514 [*Marmessoidea*]

[♂. Batavia (Mus. Dresden).]

SMTD [17] HT: ♂, Batavia 498

*obsoletus* Redtenbacher, 1908: 499 [*Asceles*]

[♂. Philippinen (Mus. Dresden).]

SMTD: Not traced.

*pachynotus bicolor* Günther, 1937a: 90 pl. 1: 3 [*Neopromachus*]

[9♂♂, Torricelli-Gebirge, 700-900m]

SMTD [21] ST: 2♂♂, Kais. Wilhelmsland, Torricelligebirge, Dr. Schlaginhaufen, 1910 1 [*Neopromachus pachynotus bicolor* Günther, 1937]

Further type material in MHNG. Günther records 9♂♂ ST, of which only four have been traced so far.

- paradoxus* Günther, 1942: 323 fig. 15 [*Ommatopseudes*]  
 [♂, Museum van Natuurlijke Historie in Leiden; Sumatra]  
 SMTD [11] HT: ♂, Edw. Jacobson, Sungai Kumbang, Sum. 9. 1915.  
 [*Ommatopseudes paradoxus* Günther, 1942]
- parva* Günther, 1944: 73 fig. 21 [*Haaniella*]  
 [2♂♂, Nordost-Sumatra, Kwalu, Dr. Volz leg., Mus. Hamburg und Dresden]  
 SMTD [7] ST ♂, Nordost-Sumatra, Kwalu, Dr. Volz leg.  
 The second ♂ could not be traced in ZMUH.
- poeciloptera* Günther, 1940a: 500 [*Phantasca*]  
 [♂, Südostcolombia, Rio Tacana, Waehner leg., Mus. Dresden; ♂, Brasilien, ob. Amazonas, Fonteboa, Mus. Stettin]  
 SMTD [not traced]  
 Further ♂ in ZMPA.
- praestantior* Brunner v. Wattenwyl, 1907: 271 [*Carausius*]  
 [♀, Nova Guinea (Mus. Dresdens.), Ins. Roon (Mus. Hamb.), Ins. Key (Coll. m.).]  
 SMTD [24] ST: ♀, ST: A. B. Meyer, Neu Guinea 1873, Dore; ♀, ST: A. B. Meyer, Neu Guinea 1873, Mum.  
 Further type-material in NHMW and ZMUH.
- pseudosipylus laevis* Günther, 1936: 341 [*Sipylloidea*]  
 [2♂♂, ♀, Rouffaer Rivier, ca. 175m, VIII.1926]  
 SMTD [17] ST: 2♂♂, ♀, N. N. Guinea, Exp. 1926, W. Docters v. Leeuwen, Rouffel-River, ±175 m, Datum VIII.
- pterobrimus* Günther, 1934a: 284, fig. 1 [*Miroceramia*]  
 [♂, Ost-Ceram, I.-II., 1910]  
 SMTD [7] HT: ♂, O.-Ceram, Januar - Februar 1910.
- rammei* Günther, 1936: 26 [*Nescicroa*]  
 [HT: ♂, AT: ♀, PT: ♂, 3♀♀, Latimoujong-Gebirge, Uru, 800m, VIII.1930]  
 SMTD [18] PT: ♀, Celebes, Latimodjong-Geb., Oeroe 800 m, Heinrich 8.1930, 1939 13.  
 Further type-material in ZMHB.
- robusta* Günther, 1936: 343 fig. 17 [*Sipylloidea*]  
 [♀, Albatros Bivak, Mamberamo, VIII.1926]  
 SMTD [17] HT: ♂, N. N. Guinea Exp. 1926, W. Docters v. Leeuwen, Mamberamo, Alb.-Bivak, Datum VII.
- rubrus* Zompro, 1998: 162, fig. 4-5 [*Breviphetes*]  
 [Holotypus: ♂, (Neuguinea) Kaiser Wilhelmsland, Torricelli-Gebirge, 1910 (SMTD).]  
 SMTD [25] HT: ♂, Kais. Wilhelmsland, Torricelli-Gebirge, Dr. Schlaginhaufen.  
 [*Breviphetes rubrus* Zompro, 1998]
- sanguinata* Redtenbacher, 1908: 560 [*Necroscia*]  
 [♂. Kaiser-Wilhelmsland, Neu-Guinea (Mus. Dresden).]  
 SMTD [18] ST: ♂, 2♂♂, K. Wilhelmsland, Bongu.
- sarasinorum* Günther, 1938b: 70, fig. 10, 11 [*Menexenus*]  
 [♂, 2♀♀, "Celebes", Mus. Basel und Dresden].  
 SMTD [25] ST: ♀, Sarasin, Celebes.  
 Further type-material in NHMB.
- satyr* Redtenbacher, 1908: 420 [*Bacteria*]  
 [♀. Brasilien (Mus. Dresden, Mus. Brüssel).]  
 SMTD [28] ST: ♀, Brasil.  
 Further 1 ST ♀ in ISNB.  
 [*Phanocloidea satyr* (Redtenbacher, 1908)]

- scalprifera* Günther, 1935a: 139 fig. 5a, b [*Cylindomena*]  
[♀, Westjava, 1919]  
SMTD [20] HT: ♀, West-Java, 1919.  
[*Cylindomena scalprifera* Günther, 1935]  
*schlaginhaufeni* Günther, 1937a: 91 fig. 4-7 [*Neopromachus*]  
[♀, Torricelli-Gebirge, 780m]  
SMTD [21] HT: ♀, Kais. Wilhelmsland, Torricelligebirge, Dr. Schlaginhaufen, 1910 1.  
[*Neopromachus schlaginhaufeni* Günther, 1937]  
*semoni* Brunner v. W., 1907: 294 [*Promachus*]  
[♂♀. N. Guinea (Coll. m., Mus. Budap., Mus. Berol., Mus. Dresd.).]  
SMTD [21] ST: ♀, K. Wilhelmsland, Bongu.  
Further type-material in NHMW and ZMHB. HNHM-material lost in fire in 1956.  
*serripes* Redtenbacher, 1908: 364 pl. 16 fig. 14, 15 [*Dimorphodes*]  
[♂♀. Neu-Guinea (Coll. m., Mus. Budapest, Mus. Berlin, Coll. Staudinger, Mus. Genua);  
Borneo (Mus. Dresden ? (Mus. Amsterdam).)]  
SMTD [22] ST: ♂, K. Wilhelms-Land Bongu; ♂; *serripes* Redt.; 2 ♀, K. Wilhelms-Land  
Bongu; ♀ n5, K. Wilhelms-Land Bongu; 1 nymph, Neu Guinea 761.  
Further type-material in HNHM, MCSN, NHMW and ZMAN.  
[*Dimorphodes serripes* Redtenbacher, 1908]  
*spinithorax* Zompro, 2001: 52 figs. 7-12 [*Microphyllium*]  
[Holotype: ♂, Luzon, St. Thomas (coll. Staatliches Museum für Tierkunde, Dresden);  
paratypes: ♀ L-5, ♀ L-4, data as holotype (coll. Staatliches Museum für Tierkunde,  
Dresden).]  
SMTD [6] HT: ♂, PT: ♀ n5, ♀ n4, Luzon, St. Thomas.  
[*Microphyllium spinithorax* Zompro, 2001]  
*tacanae* Günther, 1940a: 494 [*Isagoras*]  
[♂, Rio Tacana]  
SMTD [3] HT: ♂, Y preto, S. Waehner leg., Tacana, Brasilien, Waehner leg., 1939 1.  
*tenmalainus* Günther, 1938a: 127 [*Menexenus*]  
[♂, 2♀♀, Südindien, Tenmalai, Courtallam, H. S. Rao leg., 28.X.1926; ♂, Südindien,  
Courtallam, 16.XI.1921]  
SMTD [25] ST: ♀, Courtallam, S. Grzdia, H. S. Rao 28.X.26.  
Further type-material possibly in INPC. Several requests were not answered.  
*truncata* Redtenbacher, 1908: 522 [*Aruanoidea*]  
[♂. Dapitan, Mindanao (Mus. Dresden).]  
SMTD [18] HT: ♂, Dapitan, Mindanao 833.  
*viridis* Zompro, 1998: 163 fig. 10 [*Breviphetes*]  
[Holotypus: ♂, (Neuguinea) Kaiser Wilhelmsland, Torricelli-Gebirge, 1910, Dr.  
Schlaginhaufen (MHNG). - Allotypus: ♀, Daten wie Holotypus (SMTD).]  
SMTD [25] AT: ♀, Kais. Wilhelmsland, Torricelli-Gebirge, Dr. Schlaginhaufen.  
The HT ♂ in MHNG.  
[*Breviphetes viridis* Zompro, 1998]  
*waehneri* Günther, 1940a: 495 fig. 18 [*Bacteria*]  
[♀, Manaos; ♀, Ostecuador, Aguamo, Haensch leg, Mus. Stettin]  
SMTD [29] ST ♀, Manaos, 1939.  
Further ♀ in ZMPA.  
[*Phanocles waehneri* (Günther, 1940)]

*willemsei* Günther, 1935a: 125 fig. 2-4 [*Parapygirhynchus*]

[4♂♂, 9♀♀, Perú, 1924]

SMTD [27] ST: 2♂♂, ♀, Peru, 1924, 1935 2; 2♀♀, Peru, 1935 2.

An additional female seems to be part of the type-series also, it has the same number-label (1935 2), even so is not mentioned by Günther. Further type-material in NHME.

[*Ocnophila willemsei* (Günther, 1935)]

*zomproi* Fritzsche & Gitsaga, 2000: 11-14, 2 figs. [*Parapachymorpha*]

[Holotyp ♂: Thailand, Nakhon Ratchasima, S Khao Mai Pok, 900-100m, 101°19'E 14°31'N, 19.-25.X.1997, leg. I. Fritzsche (Coll. O. Zompro); Paratypen: 68♂♂, 57♀♀ 2♀♀ Nymphs: 9♂♂, 3♀♀, 2 Nymphen, Daten wie Holotyp (Coll. O. Zompro); ♂, ♀, Daten wie Holotyp (Coll. I. Fritzsche); 2♂♂, Daten wie Holotyp (Coll. F. Hennemann); ♂, Daten wie Holotyp (Coll. DEIC), Eberswalde; 5♂♂, 3♀♀, Nachzuchten des vorhergehenden Materials V.1998 (Coll. O. Zompro); 8♂♂, 8♀♀, Nachzuchten des vorhergehenden Materials I.1999, jeweils ein Paar in folgenden Sammlungen: ZMHB, ZMUH, ZSMC, ISNB, SMTD, MCSN, NHMW, MHNG: 32♂♂, 32♀♀, Nachzuchten des vorhergehenden Materials I.1999 (Coll. O. Zompro). 10♂♂, 10♀♀, Nachzuchten des vorhergehenden Materials I.1999 (Coll. I. Fritzsche)]

SMTD [25] PT: ♂, ♀, Zucht O. Zompro I.1999.

Further type-material in Coll. Zompro, affiliated with ZMUK (HT), Coll. Bragg, DEI, Coll. Fritzsche, Coll. Hennemann, ISNB, MCSN, MHNG, NHMW.

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